

Title (en)  
Liquid crystal device and process for producing the same

Title (de)  
Flüssigkristallvorrichtung und ihr Herstellungsverfahren

Title (fr)  
Dispositif à cristal liquide et sa méthode de fabrication

Publication  
**EP 0475117 B1 19961120 (EN)**

Application  
**EP 91113781 A 19910816**

Priority  
• JP 152791 A 19910110  
• JP 21662990 A 19900817  
• JP 27010490 A 19901008

Abstract (en)  
[origin: EP0475117A2] A liquid crystal device comprising a pair of substrates each having an electrode layer at least one of which is transparent, one or both of said substrates having formed thereon a network layer having a three-dimensional network structure which comprises a transparent solid substance, or one of said substrates having formed thereon said network layer with the other substrate having formed thereon an alignment layer, said pair of substrates being assembled in such a manner that said network layer of one substrate faces to the other network layer or the other substrate with or without an alignment layer in contact or with a small gap therebetween, and a liquid crystal material filled between said pair of substrates. The liquid crystal device exhibits improved hysteresis, high voltage holding ratio, and low power driving properties. The device can be produced without any restriction of conditions dependent on a combination of a liquid crystal material and a polymer.

IPC 1-7  
**G02F 1/1333**; C09K 19/54; G02F 1/1347

IPC 8 full level  
**C09K 19/54** (2006.01); **G02F 1/1334** (2006.01); **G02F 1/1337** (2006.01); **G02F 1/1347** (2006.01); **G02F 1/139** (2006.01)

CPC (source: EP US)  
**C09K 19/544** (2013.01 - EP US); **G02F 1/1334** (2013.01 - EP US); **G02F 1/133711** (2013.01 - EP US); **G02F 1/13476** (2013.01 - EP US); **C09K 2019/546** (2013.01 - EP US); **G02F 1/13345** (2021.01 - EP US); **G02F 1/13725** (2013.01 - EP US)

Cited by  
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